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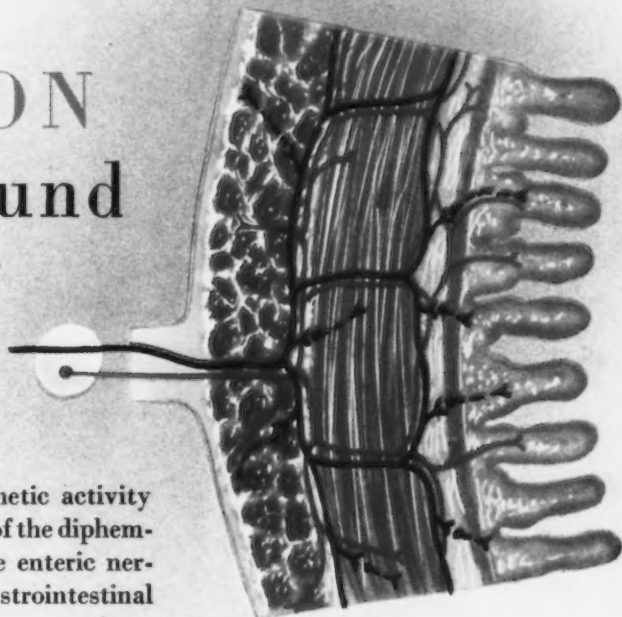
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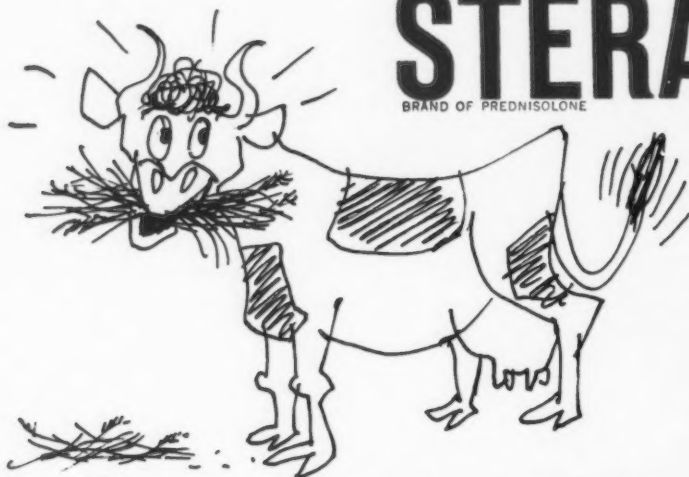
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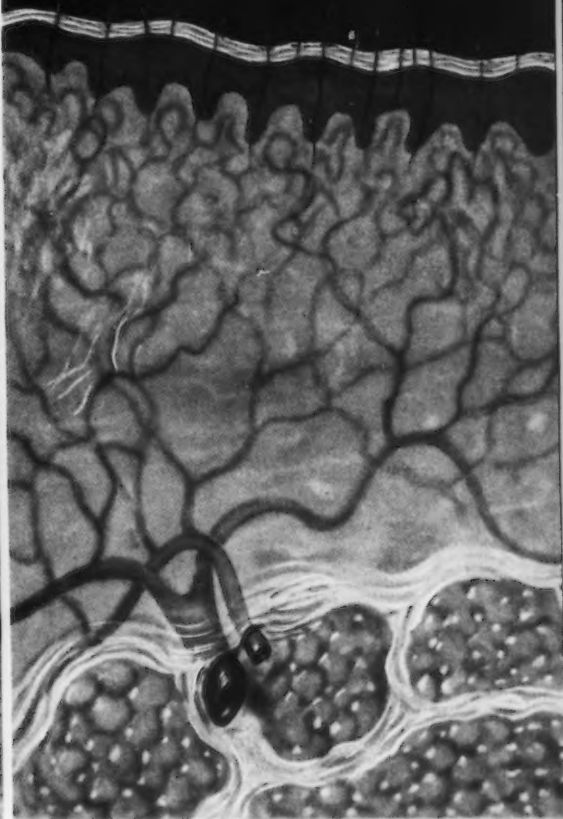
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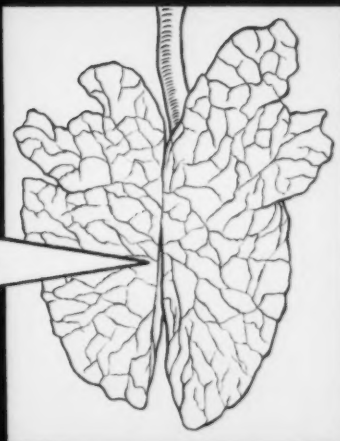
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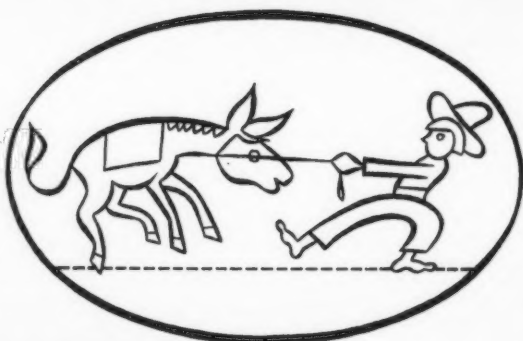
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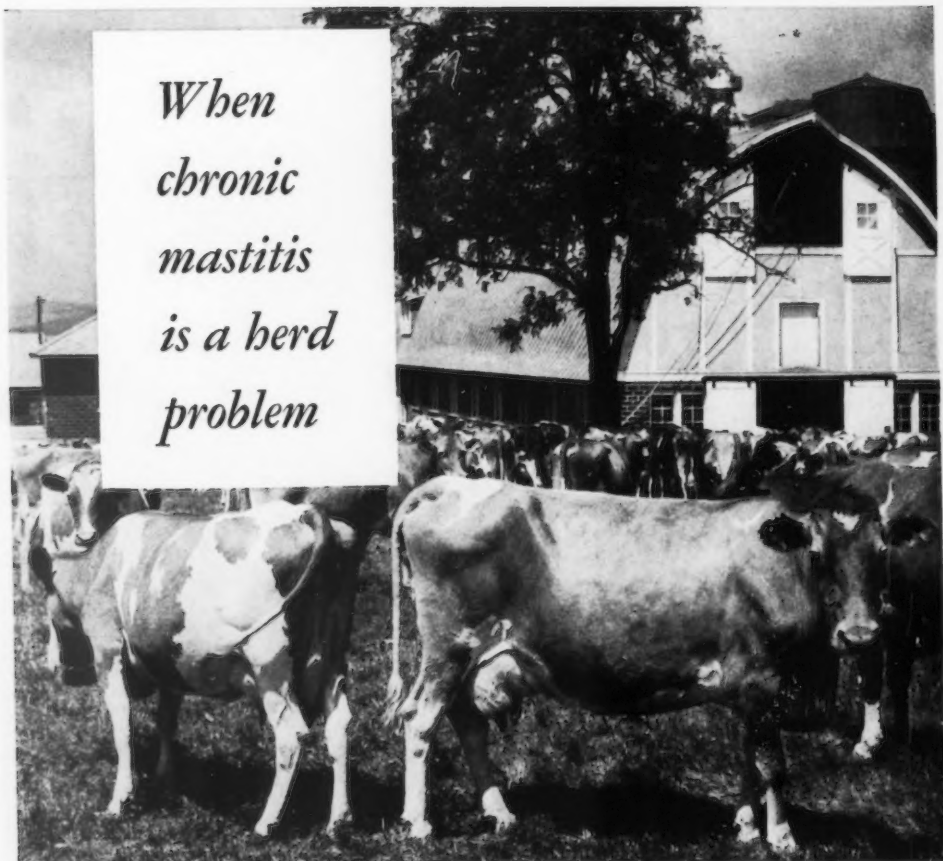
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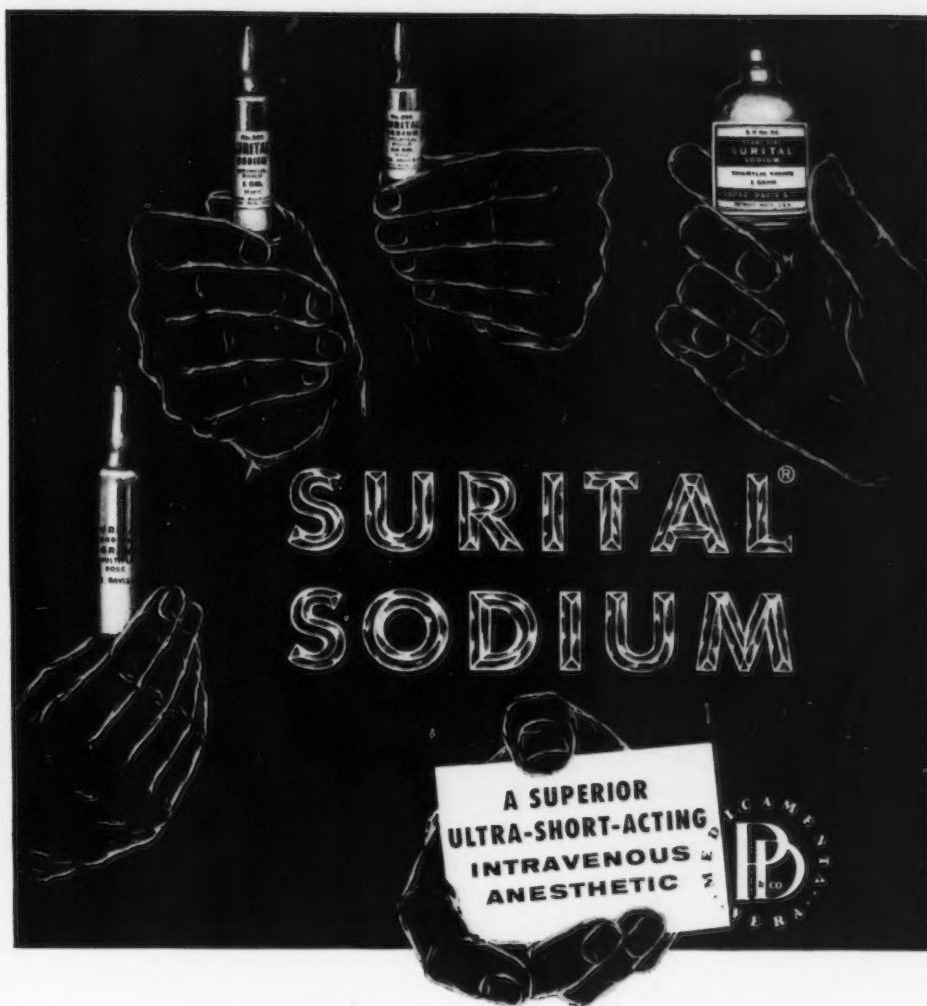
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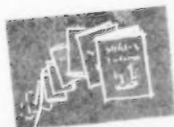
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A Christmas Letter



DEAR DOCTOR:

Remember when you were young, say about eight or ten years old, how eagerly you looked forward to Christmas? Remember how about the middle of November you assumed the mantle of angelic righteousness, refrained from stealing jam, pulling the cat's tail, pinching little brother—in fact, how you abandoned all the delights of your age just because you were told Santa Claus was apt to forget bad little boys?

Remember, too, how long the days became and how slowly they passed, until it seemed that Christmas never would arrive? But when at last Christmas Eve did come, remember how excited you were, how many times you asked Mother or Dad whether they were sure Santa Claus had received your list of gifts wanted? How you picked out your best and biggest stocking to hang on the mantelpiece, and finally crept off to bed early so that in sleep the time would pass?

Then, after a restless night, remember how eagerly you crept down stairs about five in the morning and found your stocking full of candy, nuts, and oranges? And there was a Christmas tree, too, with everything you had asked Santa for? Remember how excited you were, how full of joy and happiness? Those were the days of real Christmases.

Well, I hope just such merry joy and happiness will be yours this Christmas and that, in spirit you will become a child again—for that is the way to make Christmas merry. Coupled with this wish is another—that you and yours this New Year may be healthy, happy, and prosperous.

Sincerely,

CHARLES S. TRAVERS

THE CALIFORNIA VETERINARIAN

NOVEMBER-DECEMBER, 1957

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Volume 10

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Legislative Matters

There has been some talk about having a paid lobbyist at Sacramento. We hear that we have been "taking a beating" at Sacramento every legislative year. A glance at the following score card should give you the true story.

Year	Bill No.	Our Verdict	Disposition of Bill	Score
1949	AB 114	No	Killed in committee	x
	AB 1979	No	Altered to our satisfaction and passed	x
	SB 270	No	Altered to our satisfaction and passed	x
	SB 434	No	Altered to our satisfaction and passed	x
1951	SB 1251		Dropped	x
	AB 2122		Dropped	x
	AB 2463	No	Withdrawn	x
1953	SB 892	No	Defeated	x
	SB 1438	No	Altered to our satisfaction before passage	x
	SB 1694	Yes	Passed committee — later killed	—
	SB 1925	Yes	Tabled — and killed	—
	SB 1754	Yes	Passed	x
	AB 160	Yes	Passed	x
	AB 161	Yes	Passed	x
	AB 604	Yes	Passed	x
	AB 605	Yes	Passed	x
	AB 603	No	Altered to our satisfaction before passage	x
1955	AB 1614	Yes	Passed	x
	SB 1852	No	Amended to our satisfaction before passage	x
	SB 787	No	Tabled and killed	x
	AB 3728	No	Killed in committee	x
	AB 2565	No	Killed in committee	x
	SB 1352	No	Tabled and killed	x
1957	SB 1231	Yes	Passed	x
	SB 1461	No	Passed	—
	AB 3910	No	Killed in committee	x
Total defeats — 3				Total — Won 23 Lost 3

As you see, our batting average could hardly be improved. Now let us dig a little deeper and see who did the good work and what the bills were all about.

The Legislative Committee (1949): Dr. E. C. Baxter, Los Angeles; Dr. L. Henrich, Tulare; Dr. C. J. Parshall, San Francisco; Dr. W. K. Riddell, Los Angeles; Dr. Harvey Campbell, Santa Rosa, chairman. This committee went over 15 bills with the Executive Secretary and it was agreed that only three of them would concern CSVMA members. **AB 114**—regarding meat inspection in San Francisco was killed in committee. **AB 1979**—called for a waiver of license for field men working for the State Department of Agriculture. The compromise bill allowed a delay in getting the license until 1951, provided that the men did not practice any other branch of veterinary medicine. **SB 270**—pertained to an annual license tax of \$15. This was changed to read not less than \$7.50 or more than \$12.50. **SB 434**—regulated the use of animals for research purposes. The only section that might have affected veterinarians was amended to include licensed veterinarians. This year every-thing went to our satisfaction.

The Legislative Committee (1951): Dr. A. G. Boyd, Sacramento; Dr. F. Pulling, Atascadero; Dr. Irving Roberts, Oakland; Dr. Richard Stiern, Bakersfield; Dr. Howard Carroll, San Francisco, chairman. The most potentially dangerous pair of bills were **SB 1251**—introduced by Senators Hatfield and Sutton, and a companion, **AB 2122**—introduced by Mr. Hansen. These concerned lay vaccination of cattle under the State Brucellosis Law. The situation was discussed at a meeting at the home of the Executive Secretary by Doctors C. M. Haring, J. Arburua, Floyd White, Charles Stafford, R. L. Collinson, Russell P. Cope, Fred Pulling, Richard Stiern and Irving Roberts. Mr. Frank L. Pellissier recommended to the Farm Bureau that the bills be dropped and this was done. **AB 2463**—introduced by Mr. Morris of Los Angeles, read: "Any person who crops or in any way mutilates, except when necessary for the purpose of preventing or curing disease or protecting the life of the animal, is guilty of a misdemeanor." Doctor Irving Roberts and Mr. Charles S. Travers went to Sacramento and persuaded Mr. Morris to withdraw the bill. This year, also, the committee was 100 per cent effective.

The Legislative Committee (1953): Dr. A. G. Boyd, Sacramento; Dr. N. T. Freid, San Francisco; Dr. C. J. Padfield, LaMesa; Dr. W. K. Riddell, Los Angeles; Dr. Ralph Collinson, Modesto, chairman. They had an unusually large number of bills to deal with. **SB 892**—introduced by Hoffman and Hatfield, provided for cooking of garbage fed to swine; it was defeated. **SB 1438**—introduced by Senator Kraft, pertained to dangerous drugs and the feeding and treating of animals and poultry. It was amended to affect only pharmacists before it was passed. **SB 1694**—introduced by Senator Hatfield, concerned rabies control. It was amended several times, and finally passed the Senate Judiciary Committee. It was partly a case of too many cooks, and we are better satisfied with the bill that we put through in 1957. Another bill sponsored by the Legislative Committee concerned the disposal of animals left in the care of a veterinarian and not called for. This bill, **SB 1925**, introduced by Senator Donnelly, was tabled by the Senate Judiciary Committee. Mr. Travers talked to the Senator on the committee and was told that we have protection now. He admitted that but wanted the law simplified. They said they were sorry but we had protection now and if we did not use it that was too bad. **SB 1754**, also sponsored by the Legislative Committee and introduced by Senator Donnelly, reduced the time for actions against veterinarians to one year. This one went through. **AB 160** and **AB 161**—introduced by Mr. Shaw, concerned transportation of cattle, part of the Brucellosis Control program. They were approved by our Legislative Committee. **AB 604**—introduced by Mr. Hansen, concerned tattooing of vaccinated animals and was passed with our blessing. Two other bills introduced by Mr. Hansen, **605** and **603**, were also passed. The first permits city, county, and state veterinarians a delay of 12 months after accepting these official appointments before the license is required. The second had to do with establishment of regional diagnostic laboratories for poultry and animal disease and was amended before we approved it.

This was obviously a more difficult year but we came out very well. The only regret we could have concerns the bill on disposal of animals, not called for. The situation is still not quite as we want it, although it is not too bad.

The Legislative Committee (1955): Dr. Ralph Collinson, Modesto; Dr. W. K. Riddell, Los Angeles; Dr. John King, San Jose; Dr. J. Perry, Palo Alto; Dr. H. A. Snelbaker, Oroville; Dr. M. C. Mahoney, Petaluma; Dr. M. Thom, Pasadena; Dr. Howard Carroll, San Francisco; Dr. W. J. Dedrick, El Cajon; Dr. W. W. Putney, Van Nuys; Dr. J. Stuart, Sacramento; Dr. Ben Dean, Berkeley, chairman. This committee was obviously too large to permit proper liaison and co-operation; however, the results of their year's work were satisfactory.

Three bills had to do with the veterinary practice act. The first, **AB 1614**—set up pregnancy and infertility diagnosis as a province of veterinarians. Several meetings were held with members of the California Farm Bureau Federation Legislative Committee and members of artificial insemination organizations to iron out

differences of opinion, so that there was no opposition when the bill was presented. The second bill, **1852**, had to do with tenure of members of the Board of Veterinary Examiners, changes in fees, and reciprocity with other states and foreign countries. We objected only to the reciprocity provisions. After discussion with the Dairy Department of the California Farm Bureau Federation and the California Cattlemen's Association, this provision was removed and we did not oppose the bill. However, this section was added to **SB 787**. This bill was therefore tabled and killed with the help of the Farm Bureau and the Cattlemen.

AB 3728—was an anti-vivisectionist effort to make it a misdemeanor to sell or give impounded animals to any person or group for animal experiment. It was killed in committee. **AB 2565**—concerned changes in brucellosis regulations, and was also opposed by the State Department of Agriculture, the California Farm Bureau Federation, and the State Department of Public Health. It was killed in committee.

SB 1352—related to the Business and Professions Code and was prepared by the California Optometric Association. It concerned discounts on professional services and commodities on the retail market. There was so much disagreement among various groups concerned that it was withdrawn for the present. We may consider this another 100 per cent year, since the bill we sponsored was passed, three we opposed were killed, and one we took no definite stand on was withdrawn.

The Legislative Committee (1957): Back to normal size. Dr. R. V. Jessup, Dr. J. E. Stuart, Dr. Ben Dean and Dr. Gaylord Cooke (chairman). At the request of President Scott, Dr. Ralph Collinson also gave a great deal of his time. A new rabies bill, **SB 1231**, was introduced and after a great deal of work was passed. **Bill 3910**—on pregnancy diagnosis was considered very dangerous and a group of veterinarians went to Sacramento to discuss it with the Legislators; it was killed in committee.

The rabies bill and the pregnancy diagnosis bill were both of great importance to the profession and the passage of one and the defeat of the other are a matter for congratulation. However, three other bills have over-shadowed them in veterinary opinion because, although the veterinary profession has not been hurt much, if any, by their passage, we did not want them passed. Defeat rankles, even when the odds are overwhelming, because we are not used to it. These were **SB 2007**, **1461** and **1506**. The first two promulgated by the Hay, Grain and Feed Dealers Association, and the third by the Pharmacy Board. Although these were not our bills, we felt strongly about removal of drugs from the jurisdiction of the Pharmacy Board, and Dr. R. Collinson was appointed chairman of a new Veterinary Supply Problem Committee to work on the matter. Arbitration resulted in agreement to withhold the undesirable bill and the Pharmacy Board prepared **1506** on this understanding. However, **SB 1461** was introduced anyway, in a surprise move, and rushed through in spite of our last-minute efforts.

It is doubtful whether this bill could have been stopped. However, it might have been if it had been fought on the correct premise. Veterinarians were against it as being bad for them, although actually it produced no change in their

business, merely making legal what had been going on anyway for years.

If the bill had been fought on the true basis, that it was bad for the people of California, the results might conceivably have been different. If, for example, the Taxpayers' Association had been notified that this new bill would cost the public a tremendous sum of money for which they would get nothing whatever in return, this powerful group would have been dead against it. There are other groups which also fight for the public interest. The matter is water under the bridge now, and is relevant to our Association only in connection with the subsequent and resultant clamor for a lobbyist.

(Note) **Legislative Committee, 1957. Bill 3910**—on pregnancy diagnosis was considered very detrimental. The committee immediately took action and with the help of the secretary's office and some of the doctors from the south who came to Sacramento, this bill was killed in committee.

CHARLES S. TRAVERS,
Executive Secretary

Legislative Committee Meeting

There will be a Legislative Committee Luncheon Meeting at Davis, Monday, January 27, at which time the Committee will discuss the lobbyist situation in Sacramento.

Massengill Develops New Laxative

The Veterinary Division of the S. E. Massengill Company has developed Gallogen® Injectable, an effective laxative which acts by encouraging activity of the gallbladder and improving the function of the biliary tract. Gallogen can be given intravenously or intramuscularly and is packaged in 30 cc. multidose vials, each cc. containing 50 mg. Gallogen, and in 75 mg. tablets, bottles of 100.

Gallogen is a synthetic chemical, the diethanolamine salt of paratolylmethylcarbinol camphoric acid ester. It produces a true choleretic effect by increasing the flow of bile, encouraging the emptying of the gallbladder and stimulating the biliary tract. Studies have shown Gallogen to be of very low toxicity. Many times the therapeutic dose has been given to animals without causing any toxic effects.

Dosage:

- Cattle—500 mg. (10 cc.)
- Sheep and Swine—200 mg. (4 cc.)
- Dogs and Cats—50 mg. to 100 mg.
(1 cc. to 2 cc.)

General Kester Decorated and Retired

Brigadier General Wayne O. Kester, U.S.A.F. (VC), first assistant for Veterinary Services to the U.S.A.F.



GEN. WAYNE O. KESTER

Surgeon General, was recently presented the First Oak Leaf Cluster to the Legion of Merit by Major General Dan C. Ogle, U.S.A.F. Surgeon General.

General Kester was cited for his outstanding service to his country in pioneering the development of a comprehensive and unique veterinary service as an integral part of the Air Force's worldwide medical service, and in broadening the use of Doctors of Veterinary Medicine in military research, preventive medicine and Air Force community health.

In retirement ceremonies following the award presentation General Kester was cited in a personal communication from General Thomas D. White, U.S.A.F. Chief of Staff, for his splendid record of more than 24 years' service.

Public Relations Radio Scripts

In the July-August issue of *THE CALIFORNIA VETERINARIAN* we told of the excellent work done by Dr. Kenneth G. McKay, Extension Veterinarian, University of California at Davis, in preparing a series of tape recordings for radio use.

Dr. McKay, in the interests of good public relations for the veterinary profession, devoted many hours to the task of interviewing prominent veterinarians on a variety of subjects. These tapes were made available to your State Association, and we are happy to make our first report on their use.

Station KFSD, San Diego, has used four tapes, covering Mastitis, Poultry Diseases and Brucellosis. The Radio Farm Director of that station, Howard Keddie, will use others in the series in future weeks.

It is gratifying to know that the work of Dr. McKay and his associates was well received. We quote a paragraph of Mr. Keddie's letter to us:

"Ed Clark, Secretary of the Dairyman's League, heard the first one and was happy with the way Dr. McKay handled the delicate subject of mastitis. It is a hard one to do right before the general public."

Reports on further uses of the radio scripts will be given in future issues of the *Journal*.

Veterinary Legislation Passed at Last Session

SENATE BILL No. 1461

Passed the Senate June 12, 1957

Passed the Assembly June 11, 1957

An act to add Chapter 7b (commencing at Section 1095) to Division 5 of the Agricultural Code, relating to agriculture.

The people of the State of California do enact as follows:

SECTION 1. Chapter 7b (commencing at Section 1095) is added to Division 5 of the Agricultural Code, to read:

CHAPTER 7b. LIVESTOCK REMEDIES

Article 1. Definitions and General Provisions

1095. The provisions of this article govern the construction of this chapter unless a contrary intention clearly appears.

1095.1 "Livestock" includes all animals and poultry raised, kept, or used for profit and does not include those species usually kept as pets, such as dogs, cats, and pet birds.

1095.2. "Drug" means any substance intended for use in the diagnosis, cure, mitigation, prevention, or treatment of disease, and any substance, other than food and water, intended to affect the structure or function of the body of any livestock.

1095.3. "Livestock remedy" means all drugs, combinations of drugs, proprietary medicines, and combinations of drugs and other ingredients which are prepared for administration to livestock orally, hypodermically, or otherwise.

1095.4. "Label" includes written and graphic matter imprinted upon, or upon paper or other material affixed to or accompanying a container of a livestock remedy.

1095.5. "Hazardous remedy" means any livestock remedy which is sold in such form that it might be administered to humans, or any livestock remedy which, when improperly administered, may be dangerous to the health of livestock or to humans who consume products from such livestock, and includes the following:

- (a) Arsenic compounds and preparations;
- (b) Diethylstilbestrol and other substances having a hormone-like action;
- (c) Sulfanilamide or substitute sulfanilamides, except preparations for topical application;
- (d) Antibiotic preparations, excepting those for topical application;
- (e) Such other drugs and their preparations as the director may determine to be hazardous to the health of livestock or the public safety.

1095.6. "Manufacturer" includes any person responsible for the placing of a livestock remedy on the market in this State.

1095.7. "Retailer" means any person who sells livestock remedies at retail.

1095.8. Nothing in this chapter applies to any of the following:

- (a) Any livestock remedy sold exclusively to and used exclusively by or under the direction of a licensed veterinarian, nor to any livestock remedy compounded by a registered pharmacist

upon the prescription of a licensed veterinarian;

- (b) Any drug or other preparation dispensed or compounded by a registered pharmacist at the request of the purchaser when such drug or preparation is sold at retail;

- (c) Any commercial feeding stuffs which are subject to the provisions of Chapter 7a (commencing at Section 1081) of Division 5 of this code, irrespective of the presence in such commercial feedings stuffs of any ingredients which otherwise would constitute a livestock remedy;

- (d) Any livestock remedy intended for and used solely for laboratory or experimental purposes;

- (e) Any substance intended for and used primarily as a pesticide and registered as an economic poison under Article 3 (commencing at Section 1061), Chapter 7, Division 5 of this code;

- (f) Any biological product manufactured under a license issued by the United States Department of Agriculture, or the State Department of Public Health;

- (g) Any drug required by federal law to be sold on prescription only.

1095.9. The provisions of this chapter shall become fully operative on January 1, 1958, but the director may, prior to that date, receive and process applications for registration or licenses and take such other administrative action as he may deem necessary or advisable to facilitate the operation of this chapter after it becomes fully operative.

1095.10. The provisions of this chapter shall be controlling over those of any other provisions of law in conflict herewith; and no act or thing authorized or permitted by this chapter shall be in violation of any other provisions of law.

Article 2. Registration of Livestock Remedies

1096. No person shall sell any livestock remedy in this State which is not registered pursuant to this chapter. The manufacturer of any livestock remedy shall apply to the director for registration of the livestock remedy. The application shall be in a form supplied by the director.

1096.1. The application shall show all of the following:

- (a) The name and address of the principal place of business of the applicant;
- (b) The name, brand, or trade-mark under which the livestock remedy is to be sold;
- (c) The minimum net contents of each size and type of container in which the livestock remedy is to be sold at retail;
- (d) The name of each active drug ingredient and the quantity or proportion of each such ingredient;
- (e) A statement of the purpose or purposes for which the livestock remedy is to be used;
- (f) A statement of the form in which the livestock remedy is to be administered, the method of administration, and, if the method of administration involves the use of any special device supplied with such remedy, a description of such device;

(g) A statement of the amount and frequency of the dosage to be recommended;

(h) Such other information and data as the director may require.

1096.2. The application shall also contain a detailed description, or be accompanied by a copy, of the label of each type and size of container in which the livestock remedy is to be sold at retail.

1096.3. The label shall contain all of the following:

(a) The name, brand, or trade-mark of the livestock remedy;

(b) The name and principal address of the applicant;

(c) The minimum net contents of the container;

(d) A statement of the disease or ailments of livestock which it is claimed that the livestock remedy will alleviate or cure;

(e) Adequate instructions as to use and administration and adequate warnings against improper use and administration of the livestock remedy;

(f) The name of each active drug ingredient;

(g) The words "livestock remedy—not for human use," in large bold-face type in a conspicuous place;

(h) If the livestock remedy is a hazardous remedy, the words "hazardous remedy" in conspicuous letters.

1096.4. If it is proposed that any instructions for use, other than those on the label, shall accompany containers of the livestock remedy when sold at retail, a copy of such instructions shall accompany the application for registration of such remedy.

1096.5. The director shall examine and consider the application together with all material, data and information accompanying it. The director shall refuse to register a livestock remedy if he finds any of the following to be true of the remedy:

(a) It is of little or no value for the purpose for which it is intended to be used;

(b) It is dangerous to the health of livestock when used in accordance with instruction;

(c) The instructions for use do not contain adequate warnings against use in those conditions, whether pathological or normal, under which its use may be dangerous to the health of livestock, or against unsafe dosage, unsafe duration of use, or unsafe methods of administration;

(d) If the application and the accompanying material, data, and information do not comply with the requirements of this chapter or are insufficient to permit the director to make the determinations required by this section.

1096.6. In the case of a hazardous remedy, the director shall also refuse registration if he finds that the instructions for use do not contain adequate and satisfactory directions as to the methods of handling, caring for, holding or otherwise managing the animal or bird to which the remedy is administered so as to eliminate any danger to the health of any person who might consume food products derived from such animal or bird.

1096.7. The registration of a livestock remedy

includes the registration of the remedy and its ingredients, the registration of the label, the registration of the instructions for use, and the registration of the special device, if any, for the administration of such remedy.

1096.8. The fee for the registration of a livestock remedy shall be twenty-five dollars (\$25) and shall accompany the application for registration. The fee is not refundable if the registration is refused. If registration is granted, the original fee covers the registration for the remainder of the then current calendar year in which registration is granted. The fee for the renewal of registration is fifteen dollars (\$15) per year, payable on or before January 31st of each year, and, if not so paid, a penalty of five dollars (\$5) shall be added to such fee.

Article 3. Retailing of Hazardous Remedies

1097. No person shall sell any hazardous remedy in this State at retail unless he holds a license to do so issued pursuant to this chapter.

1097.1. Any person may file with the director an application for a license under this chapter. The application shall be on a form supplied by the director and shall contain such information as he may require.

1097.2. The application shall be accompanied by an application fee of fifteen dollars (\$15). The fee is not refundable if the license is refused. If the license is issued the application fee covers the license for the remainder of the current calendar year in which it is issued. The fee for the renewal of a license is fifteen dollars (\$15) per year, payable on or before January 31st of each year, and, if not so paid, a penalty of five dollars (\$5) shall be added to such fee.

1097.3. A separate license shall be required for each place of business at which hazardous remedies are kept for sale, and for each mobile unit in which such remedies are kept for sale.

1097.4. The director may make an examination of the facilities available to the applicant for the proper handling and storing of hazardous remedies and may limit the kinds or classes of such remedies that may be sold under a license to those which the applicant is equipped properly to handle and store.

1097.5. Each holder of a license under this chapter shall keep a record, in the manner and form prescribed by the director, of each sale of a hazardous remedy by the licensee. Such record shall include a statement of the kind and quantity of the hazardous remedy sold, the date of sale, the address of the purchaser, and the signature of the purchaser.

Article 4. Administrative Provisions

1098. The director shall enforce the provisions of this chapter and may make and enforce such rules and regulations relating to the manufacture and sale of livestock remedies as he may deem necessary to carry out this chapter.

1098.1. The director may quarantine and remove from sale any livestock remedy which is not registered in accordance with this chapter or any livestock remedy which does not conform in all respects with its registration.

1098.2. The director shall have access at all reasonable hours to all premises used in the manufacture, sale or storage of any livestock

remedy and may take samples and make such other investigations as are necessary to carry out the provisions of this chapter and the rules and regulations made pursuant to this chapter.

1098.3. The director may revoke the registration of any livestock remedy if he finds, from representative samples, that the remedy as offered for sale fails to conform to its registration. The director may allow reasonable tolerances within which such samples may vary from such registration.

1098.4. The director shall revoke a hazardous remedy license if he finds that the holder thereof has failed to keep the required record of sales of such remedies, or if such remedies are not being properly handled or stored.

1098.5. All money received under the provisions of this chapter shall be paid into the Department of Agriculture Fund. Any money in the Department of Agriculture Fund derived under the provisions of Chapter 7a (commencing at Section 1081), and Chapter 7b (commencing at Section 1095), of Division 5 of this code may be expended for the administration and enforcement of any of the provisions of such chapters, notwithstanding any other provision limiting the expenditure of any such money to the specific purposes or to the administration or enforcement of each of such chapters separately.

Article 5. Offenses

1099. It is unlawful to sell any livestock remedy which is subject to the provisions of this chapter unless the remedy is registered in accordance with this chapter.

1099.1. It is unlawful for any registrant to sell any livestock remedy which does not conform with its registration.

1099.2. It is unlawful to administer any registered livestock remedy to any human being.

1099.3. It is unlawful to sell any hazardous remedy without a license as provided in this chapter.

1099.4. It is unlawful to use or administer any registered hazardous remedy except in accordance with the instructions for use supplied by the registrant.

1099.5. It is unlawful for the holder of a hazardous remedy license to sell a hazardous remedy without requiring the purchaser thereof to sign his name and write his address in the record of such sales.

1099.6. It is unlawful to refuse to permit the entry into and inspection of any premises wherein livestock remedies are manufactured or sold for the taking of samples of such remedies.

1099.7. It is unlawful to sell any livestock remedy except in the container in which it is packaged by the manufacturer, or to sell any such remedy unless its package bears the label of the manufacturer.

1099.8. It is unlawful to make any false or misleading representations relating to any livestock remedy, whether such representations are communicated orally, graphically, pictorially, or otherwise.

1099.9. The violations of any provision of this chapter or of any rule or regulation of the director promulgated under this chapter is a misdemeanor.

SENATE BILL No. 1231

Passed the Senate June 12, 1957

Passed the Assembly June 11, 1957

An act to add Sections 1091.2, 1920, and 1921 to the Health and Safety Code, relating to dogs and the control of rabies in dogs.

The people of the State of California do enact as follows:

SECTION 1. Section 1901.2 is added to the Health and Safety Code, to read:

1901.2. "Rabies area" shall mean any area not less than a county as determined by the director within a region where the existence of rabies constitutes a public health hazard, as found and declared by the director, after consultation with, and the approval of, the regional advisory committee. A region shall be composed of two or more counties as determined by the director. For each such region there shall be an advisory committee. The regional advisory committee shall consist of nine persons which shall include a health officer, a representative of the medical profession, a veterinarian, the mayor of the city having the largest population in the area, the chairman of the board of supervisors of the county having the largest population in the area, and such representatives of the livestock industry, civic, dog owning, and humane groups as may be appointed by the director to serve without compensation, but shall be reimbursed for actual and necessary expenses incurred during service on the committee. The status of an area as a rabies area shall terminate at the end of one year from the date of the declaration unless, not earlier than two months prior to the end of such year, it is again declared to be a rabies area in the manner provided in this section. If however, the director at any time finds and declares that an area has ceased to be a rabies area its status as such shall terminate upon the date of such declaration.

SEC. 2. Section 1920 is added to said code, to read:

1920. In rabies areas:

(a) Every dog owner, after his dog attains the age of four months, shall annually secure a license for said dog. License fees shall be fixed by the responsible city, city and county, or county, at an amount not to exceed limitations otherwise prescribed by state law or city, city or county, or county charter.

(b) Every dog owner, after his dog attains the age of four months, shall at such intervals of time not more often than once a year as may be prescribed by the department procure its vaccination by a licensed veterinarian with a canine antirabies vaccine approved by and in a manner prescribed by the state department.

(c) All dogs under four months of age shall be confined to the premises of, or kept under physical restraint by, the owner, keeper or harbinger. Nothing in this chapter shall be construed to prevent the sale or transportation of a puppy four months old or younger.

(d) Any dog in violation of the provisions of this article, and such additional provisions as may be prescribed by any local governing body, shall be impounded as provided by local ordinance.

(e) It shall be the duty of the governing body of each city, city and county, or county to maintain or provide for the maintenance of a pound system and a rabies control program for the purpose of carrying out and enforcing the provisions of this section.

(f) It shall be the responsibility of each city, county, or city and county to provide dog vaccination clinics, or to arrange for dog vaccination at clinics operated by veterinary groups or associations, held at strategic locations throughout each city, city and county, or county. The vaccination and licensing procedures may be combined as a single operation in such clinics. No charge in excess of actual cost shall be made for any one vaccination at such clinic. No owner of a dog shall be required to have his dog vaccinated at a public clinic if the owner elects to have the dog vaccinated by a licensed veterinarian of the owner's choice.

All public clinics shall be required to operate under antiseptic immunization conditions comparable to those used in the vaccination of human beings.

Sec. 3. Section 1921 is added to said code, to read:

1921. Nothing in this chapter is intended or shall be construed to limit the power of any city, city and county, or county in its authority in the exercise of its police power or in the exercise of its power under any other provisions of law to enact more stringent requirements, to regulate and control dogs within the boundaries of its jurisdiction.

Brucellosis Control Areas

The California Department of Agriculture, through action of State Director of Agriculture W. C. Jacobsen, has established 15 counties as brucellosis control areas under the provisions of law enacted by the 1957 State Legislature.

The department said the establishment of the 15 counties marks another big forward step in the campaign to eradicate brucellosis disease of cattle in California.

The action of the director was taken following the filing of petitions from livestock men in the 15 counties requesting the action, and the taking of testimony at public hearings in Redding and Sacramento upon proposed brucellosis regulations.

The counties established as brucellosis control areas are Alpine, Butte, Del Norte, Humboldt, Inyo, Lassen, Marin, Modoc, Mono, Nevada, Plumas, Sierra, Siskiyou, Shasta, Sutter, Tehama, Trinity and Yuba.

The action will permit cattle owners in the 15 counties to proceed with a brucellosis certification program, in line with uniform methods being followed over the country. The new program will prevent undue hardship and losses to dairy cattle owners who ship milk into other states and will also benefit beef cattlemen who move their cattle across state lines for grazing purposes.

The regulations impose restrictions on the movement of cattle into the 15 counties declared control areas.

Unidentified Lamb Disease Uncovered

An unidentified lamb disease has been uncovered by University of California veterinary researchers. The bacteria-caused disease has already taken a heavy toll of the lamb flock pastured on the Davis campus. About 25 out of 160 lambs have died since June 1 of this year, disclosed Dr. Peter C. Kennedy of the School of Veterinary Medicine. The attack seems to have eased up recently; no deaths have occurred since August 9.

Only lambs were affected. Unlike most outbreaks of this sort, the disease did not sweep through the flock, causing mass deaths. This attack was more like that of a sniper with a rifle, said Kennedy; only one or two lambs were hit each day.

Death was almost certain once this unique disease took hold, said the Davis pathologist. There were no mild cases. However, streptomycin proved to be a successful treatment and saved many stricken lambs.

The disease followed a pattern, continued Kennedy. The first sign of infection was usually lameness, soon followed by a rise in temperature to 106 or 107 degrees. Within six to eight hours the lamb died. Autopsies showed that the liver, joints and muscles were the parts most severely damaged.

The investigators have been able to place the marauding organism in a specific bacteria group. But it doesn't seem to act like other organisms of the group. The bacteria "multiply at a tremendous rate within the lamb's body," said Kennedy.

How does the disease spread?

"We're reasonably sure that it is not contagious," said Kennedy; "that is, it doesn't spread directly from one lamb to another."

"One possibility that we are planning to investigate is the role of insects as suspected carriers of the bacteria."

Is this really a "new" disease?

Kennedy has his doubts:

"Not likely," he said; "we're having difficulty in recognizing the disease for two reasons. First, it mimics the behavior of other well-known sheep diseases; this means it may have been seen many times before, but not reported as a new disease. Second, it has been very hard to recover the organism from sick animals; this has slowed detailed observations."

So far, said Kennedy, no satisfactory vaccine has been developed to combat the disease.

Wanted

Veterinarian, California license, capable of horse practice, other livestock also. Fair and Horse Show, February 15 to 24 inclusive. Jay H. Bouton, D.V.M., 11411 Magnolia Avenue, Arlington, Calif. Phone OV. 9-0622.

Dr. John King's Veterinary Hospital in San Jose



Editor's Note: Good photographs of new Veterinary Hospitals are wanted for publication in THE CALIFORNIA VETERINARIAN.

The 2-year-old small animal hospital of Dr. John King, at 454 Willow Street, close to downtown San Jose, is of stucco construction. Built on a lot 50 x 190, there is an entrance to the back and room for expansion.

The ceilings are of insulated tile and the walls are of insulated material. There are accommodations for 55 animals inside, including dog ward and cat ward.



Attractive Reception Room



Operating Room

Outside runs: 20. There is also an infectious and contagious disease ward, with outside entrance only.

A private consulting room is a feature of the hospital. Other rooms: pharmacy, X-ray, large kitchen, tiled operating room and attendant's quarters. The grooming and washing room has skylights and formica-lined walls.

Dr. McCapes Is Booster Club Member

Dr. A. M. McCapes is a member of the board of directors of the San Luis Obispo Booster Club, which encourages boys to attend Cal Poly, and helps boost the athletic program of the school.

Recently he flew to Las Cruces, New Mexico, with the team where Cal Poly defeated New Mexico A. and M. College, 10 to 8. Dr. Mc-

Capes advises that it was a wonderful trip until the plane was ready to land at Paso Robles. The landing gear became jammed and the plane circled the field for an hour before the pilots got the gear down by hand. All landed safely, he reports, but all the players of the Cal Poly team came down with the flu during the next few days and the game with San Diego was called off.

Dr. Quin to Chairman Livestock Conference



Dr. A. H. Quin

Dr. A. H. Quin, former president of the AVMA, will be chairman of the First International Conference on the Effects of Stress on Livestock to be held in Kansas City. Dr. Quin who gained international fame when, as president of the Iowa Veterinary Medical Association, he pioneered the national program for tuberculosis control in cattle, is bringing to the conference leading veterinary authorities from many states and several foreign countries to discuss the clinical and economic aspects of stress, especially during shipment, on livestock, in relation to its significance in animal diseases, injuries, loss of weight and meat quality. The conference is being sponsored by Jensen-Salsbery Laboratories, of which Dr. Quin is vice president.

Rabies Advisory Committees Hold First Meetings

A combined meeting of the recently appointed rabies advisory committees was held in Berkeley, September 13. Purpose of the session was to get acquainted, to review the problem of rabies in California, to consider the general problem of rabies control, and to become familiar with the new legislation and their responsibility for making it effective in local programs.

The regional committees comprise Los Angeles, Fresno, San Francisco, Salinas, Eureka and Chico. It is anticipated that local program action will be under way by early 1958.

Correct Roster of Board of Examiners

Your attention is called to an error in the September-October issue of THE JOURNAL, listing members of the Board of Examiners in Veterinary Medicine.

Officers and members are as follows: Dr. William J. Zontine, president; Dr. Phillip L. McClave, vice-president; Dr. Richard B. Tangeman, Dr. William K. Riddell and Dr. Gaylord K. Cooke, members.

Mr. William E. Barbeau, executive secretary, 1020 N Street, Sacramento. Mr. Leo E. Wells is investigator.

Armour Caminar Formulas

A new family of products called Caminar, developed by the Armour Veterinary Laboratories, provides the small animal veterinarian with highly palatable medication in tablet form.

Caminar Formula No. 1 is a quad-sulfa preparation with each tablet containing 0.9 grain of Sulfamerazine, 2.3 grains of sulfathiazol, 1.8 grains of Sulfanilamide, and 2.6 grains of sulfadiazine. The four Sulfonamides assure maximum blood levels in a minimum of time and minimize chances of crystalluria.

Formula No. 2 is used in the control of simple diarrheas of non-infectious origin. Each tablet contains 60 mg. Pectin, 500 mg. Kaolin, and 300 mg. Bismuth Subnitrate.

Caminar Formula No. 3 is used for worming dogs, puppies, cats and other pets. The tablets contain 400 mg. Piperazine citrate. No purgation or fasting is required with the use of the medication.

The base for the Caminar family is identical to that of *Caminar S* which was introduced in December, 1956. This product has been widely accepted due to its unique properties. The tablets are so palatable that 90 per cent of both sick and well animals will eagerly accept them. The medication may be offered free choice or crumbled over the ration, making administration an easy task.

All of the Caminar formulas are available through graduate veterinarians only. The products are packed in bottles of 50 tablets.

Dr. Merrill Appointed to National Advisory Health Council

Malcolm H. Merrill, M.D., Director, California State Department of Public Health, has been appointed to the National Advisory Health Council by Surgeon General Leroy E. Burney. Members of the council are selected from the leaders in the fields of fundamental sciences, medicine sciences, education and public affairs.

As a member of the council, Dr. Merrill will advise and make recommendations to the Surgeon General on matters relating to health activities and functions of the Public Health Service. A major responsibility of the council is to advise the Surgeon General on the awarding of research and training grants to support nongovernmental research, and other special awards to individuals requiring financial support of their research training and research projects.

Dr. George Linton has gone to Michigan for relief work and expects to return to the Bay Area after the first of the year.

Midwinter Conference Speakers



H. FRAENKEL-CONRAT

Heinz L. Fraenkel-Conrat was born in Breslau, Germany, in 1910. He studied medicine at Breslau, Munich, Vienna and Geneva and received his M.D. at Breslau in December, 1933. During his medical studies he worked with Prof. Hans Winterstein on physiological and biochemical problems. He continued his chemical studies under Prof. Dr. George Barger in Edinburgh, prepared his thesis there and received a Ph.D. in April, 1936. He went to the U.S.A. in August, 1936, and worked with Dr. Max Bergmann at the Rockefeller Institute, New York. There he specialized in amino acid and protein chemistry and syntheses with proteolytic enzymes. In September, 1937, he worked with K. H. Slotta at the Instituto Butantan, Sao Paulo, Brazil, on snake venoms, with great success. Since 1952 he has worked on the synthesis of biologically active materials in the Virus Laboratory of the University of California.



JEAN HOLZWORTH

Dr. Jean Holzworth was graduated from Bryn Mawr in classical languages. After studying abroad in this field she returned and taught for a time at her alma mater and elsewhere. She undertook her veterinary training at Cornell University and was graduated in 1950. Since then she has been on the staff of the Angell Memorial Animal Hospital at Boston. The wealth of clinical material at this institution afforded her a splendid opportunity to pursue her interest in diseases of the cat and her many publications in this field have established her as this country's leading authority on feline diseases. Dr. Holzworth is currently engaged in preparing a long-needed book on this subject.



MYRON H. SCHAFER

Dr. Myron H. Schaffer was born in New York City. After serving with the Air Force during World War II, he completed his pre-veterinary education at the University of California at Davis, where he distinguished himself as an outstanding athlete. He earned his veterinary degree at Cornell University and subsequently served on the faculty at the University of California. Dr. Schaffer's interest in veterinary dermatology developed during his faculty tenure at Davis, and has continued during the five years in which he has been in private practice in Santa Rosa.



B. A. HOEHNER

Dr. B. A. Hoehner, after a distinguished military career with the U.S. Marines, attended veterinary school at Colorado A & M and was graduated in 1952. He served in internship at the Angell Memorial Animal Hospital in Boston where he developed a continuing interest in canine orthopedic surgery. He came to California in 1954 and was associated with Dr. S. J. Roberts and later Dr. Howard Carroll. He is currently engaged in private practice in San Mateo.

CLOSED CIRCUIT TV AT DAVIS

WEDNESDAY, JANUARY 29, 1958

Morning and Afternoon

Once again we are indebted to Allied Laboratories, Inc., Pitman-Moore Company Division, for sponsorship of the CVMA closed circuit TV. Dr. Robert M. Cello will be director of the program.

Moderators: Large Animal, Dr. Charles H. Reid
Small Animal, Dr. Robert M. Cello

Conference Speakers

- A. C. Asbury, D.V.M., Lecturer in Veterinary Medicine, University of California, Davis.
 N. F. Baker, D.V.M., Ph.D., Assistant Professor of Parasitology, University of California, Davis.
 E. E. Biberstein, D.V.M., Ph.D., Assistant Professor of Veterinary Medicine, University of California, Davis.
 A. G. Boyd, D.V.M., Assistant Director, Agriculture Department, Sacramento.
 C. N. Bramer, D.V.M., Practitioner, Los Altos.
 Jack Bryans, Ph.D., Virologist, Kentucky Experiment Station, Lexington.
 H. S. Cameron, D.V.M., Ph.D., Professor of Veterinary Science, University of California, Davis.
 R. M. Cello, D.V.M., Assistant Professor of Veterinary Medicine, University of California, Davis.
 John F. Christensen, D.V.M., Ph.D., Professor of Veterinary Science, University of California, Davis.
 M. T. Clegg, Ph.D., Assistant Professor of Animal Husbandry, University of California, Davis.
 Donald R. Cordy, D.V.M., Ph.D., Associate Professor of Veterinary Pathology, University of California, Davis.
 C. E. Cornelius, D.V.M., Acting Assistant Professor of Veterinary Medicine, University of California, Davis.
 John Epstein, M.D., Dermatologist, San Francisco.
 Robert Foos, D.V.M., Practitioner, Victorville.
 Heinz Fraenkel-Conrat, M.D., Ph.D., Virus Laboratory, University of California, Berkeley.
 Bernard A. Hoehner, D.V.M., Practitioner, San Mateo.
 Jean Holzworth, D.V.M., Angell Memorial Animal Hospital, Boston.
 J. P. Hughes, D.V.M., Acting Assistant Professor in Veterinary Medicine, University of California, Davis.
 R. W. Hungate, Ph.D., Professor of Bacteriology, University of California, Davis.
 William L. Hunter, Chief, Bureau of Field Crops (Administrator of Laws Dealing with Medicated Feeds), Sacramento.
 R. V. Johnston, D.V.M., Pitman-Moore Company, Indianapolis.
 L. M. Julian, D.V.M., Ph.D., Associate Professor of Anatomy, University of California, Davis.
 Peter C. Kennedy, D.V.M., Ph.D., Assistant Professor of Veterinary Pathology, University of California, Davis.
 Stuart Lindsay, M.D., Professor of Pathology, Medical School, University of California, San Francisco.
 N. L. McBride, D.V.M., Practitioner, Pasadena.
 Emmet W. Paul, D.V.M., Practitioner, Redwood City.
 G. D. Pettit, D.V.M., Instructor in Veterinary Medicine, University of California, Davis.
 A. C. Pier, D.V.M., Assistant Specialist, School of Veterinary Medicine, University of California, Davis.
 Ben Rasmussen, D.V.M., Assistant Specialist, School of Veterinary Medicine, University of California, Davis.
 Charles H. Reid, D.V.M., Practitioner, Hollywood.
 E. A. Rhode, D.V.M., Assistant Professor of Veterinary Science, University of California, Davis.
 W. K. Riddell, D.V.M., Practitioner, Los Angeles.
 Irving M. Roberts, D.V.M., Practitioner, Oakland.
 Myron H. Schaffer, D.V.M., Practitioner, Santa Rosa.
 G. H. Theilen, D.V.M., Lecturer in Veterinary Medicine, University of California, Davis.
 J. D. Wheat, D.V.M., Associate Professor of Veterinary Medicine, University of California, Davis.
 R. W. Wichmann, D.V.M., Assistant Specialist in Experiment Station, University of California, Davis.
 Alida P. Wind, D.V.M., Instructor in Veterinary Medicine, University of California, Davis.
 John H. Woolsey, Jr., D.V.M., Practitioner, Santa Rosa.

PROR

CALIFORNIA VETERINARY MIDWINTER

PROGRAM COMMITTEE: *Chairman*, Chairman
 Rollin Smith, Fred Pullin, Rich
 E. R. Braun (Color Ju

JANUARY 27, 28, 29, 1958, SO VE

MONDAY, JANUARY 27, 1958 GENERAL SESSION

Morning

9:00—CVMA Registration.

Afternoon

Auditorium

Chairman, P. C. KENNEDY

- 1:30—Welcome — Dean D. E. Jasper.
 1:45—Anemias in Cats, Jean Holzworth.
 2:20—Vascular Disease in Man and Animals, Stuart Lindsay.
 2:55—Equine Respiratory Viral Diseases and Their Relation to Strangles, Jack Bryans.
 3:30—Chemical Nature of Virus Infectivity, Heinz Fraenkel-Conrat.
 4:10—Business Meeting, CVMA.

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TUESDAY, JANUARY 28, 1958 SMALL ANIMAL SECTION

Auditorium

Morning

Chairman, R. E. RICHTER

- 8:30—Film. Surgical Correction of Canine Ear Diseases — Commentary, N. L. McBride.
 9:00—Basic Principles of Handling Skin Diseases, John Epstein.
 9:45—Some Specific Skin Diseases of Cats, Jean Holzworth.
 10:25—Squamous Cell Carcinomas of White-Eared Cats, Myron H. Schaffer.
 10:40—Some Application of Genetics in Small Animal Practice, Ben Rasmussen.
 11:00—Immunization in Canine Leptospirosis, E. E. Biberstein.
 11:25—Complications in the Diagnosis of Canine Filariasis, N. F. Baker.
 11:40—The Present Day Value of the Thomas Splint, Bernard A. Hoehner.

Afternoon

Chairman, F. P. SATTLER

- 1:30—Feline Respiratory Diseases, R. M. Cello.
 2:15—Ear Disease in the Dog, N. L. McBride.
 2:35—Injuries to the Ligaments and Menisciuses of the Stifle, Alida P. Wind.
 3:05—Clinical Pathology Conference. A Case for Diagnosis submitted by Small Animal Clinic School of Veterinary Medicine. To be discussed by B. A. Hoehner, I. M. Roberts, M. H. Schaffer, and Robert Foos.

AAHA Regional Meeting

The American Animal Hospital Association Meeting Monday, January 27, in the Rodeo Room, Bldg. 10. All veterinarians and their wives are cordially invited.

Program: "ZONING YOUR PRACTICE"

Moderator: Dr. H. E. Jensen, University Heights

Dr. H. E. Jensen, University Heights

RAM

NEDICAL ASSOCIATION CONFERENCE

Chairman; Co-Chairman, Peter C. Kennedy
Richter, Frederick Sattler
June meeting)

SOCIETY OF VETERINARY MEDICINE, DAVIS

TUESDAY, JANUARY 28, 1958

LARGE ANIMAL SECTION
Room 176, Home Economics Bldg.

Morning

Chairman, CHARLES H. OZANIAN

- 8:30—Film.
- 9:00—The Prophylactic Value of Magnets in Preventing Traumatic Reticulitis, J. P. Hughes.
- 9:15—Current Status of Bovine Dwarfism, L. M. Julian.
- 9:35—The Diagnosis of Congenital Porphyria in Cattle, E. A. Rhode.
- 9:00—Pleuropneumonia-like Organisms in Disease of Animals, Donald R. Cordy.
- 10:15—Nocardial Mastitis in Dairy Cows, A. C. Pier.
- 10:35—Progress Report on the Marin County Pilot Whey Testing Brucellosis Program, H. S. Cameron.
- 10:55—Rhinothacheitis Vaccine, R. V. Johnston.
- 11:15—Virus Diseases Producing Abortion in Mares, Jack Bryans.

Afternoon

Chairman, E. R. BRAUN

- 1:30—Administration of the Livestock Remedy Law, William L. Hunter.
- 2:00—Scrapie—A Threat to our Sheep Industry, A. G. Boyd.
- 2:20—Hemophilus Infection in Lambs, Peter C. Kennedy.
- 2:35—Viral Pneumonia of Sheep—Some Recent Findings, Donald R. Cordy.
- 2:50—Anaplasmosis in Deer and its Possible Relationship to the Natural Disease in Cattle, John F. Christensen.
- 3:10—Newer Bacterial Concepts of Bloat, R. W. Hungate.
- 3:35—Current Status of Hormones in Fattening Cattle, M. T. Clegg.

WEDNESDAY, JANUARY 29, 1958

GENERAL SESSION

Auditorium

Morning

Chairman, J. H. WOOLSEY

- 8:30—Film.
- 9:00—Assorted Disease Entities of Cats, Jean Holzworth.
- 9:45—Questions.
- 10:45—Closed Circuit TV.

Afternoon

- 1:30—Closed Circuit TV.

Registration and Dinner

Meeting and Dinner will be held at 7 p.m.,
Hotel El Rancho. Tickets on sale at Registration Desk.

"YOURAL" — Panel Discussion

Dr. C. N. Bramer, Los Altos

Midwinter Conference Poultry Section

Veterinary Science Building

TUESDAY, JANUARY 28, 1958

9 a.m. — 12 noon

Chairman, W. E. BRANDNER, D.V.M.
Petaluma, California

- 9:00-9:25—Environmental Considerations in Poultry Management, W. O. Wilson, Ph.D., Poultry Husbandry, Davis.
- 9:25-9:35—Discussion.
- 9:35-9:45—A New Laryngotracheitis Vaccination Technique, W. H. Armstrong, D.V.M., Poultry Pathology Laboratory, Lancaster.
- 9:45-10:15—Interpretation of Findings in Poultry Autopsy—With Demonstration, H. E. Adler, D.V.M., Ph.D., School of Veterinary Medicine, Davis.
- 10:15-10:30—Discussion.
- 10:30-10:40—Intermission.
- 10:40-11:00—Basic Principles in Immunization of Poultry, L. G. Raggi, D.V.M., Ph.D., School of Veterinary Medicine, Davis.
- 11:00-11:20—A new Living Non-spreading Newcastle Disease Vaccine, R. A. Bankowski, D.V.M., Ph.D. R. W. Wichmann, D.V.M., School of Veterinary Medicine, Davis.
- 11:20-11:30—Discussion.
- 11:30-11:50—The Application of Newer Drugs to Poultry, S. L. Jamison, D.V.M., Poultry Pathology Laboratory, Turlock.
- 11:50-12:00—Discussion.

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Midwinter Conference Closed Circuit Television Program

Auditorium

WEDNESDAY, JANUARY 29, 1958

Moderators

ROBERT M. CELLO and CHARLES H. REID

- Techniques for the Diagnosis of Bovine Sterility Due to Vibriosis and Trichomoniasis, J. H. Woolsey, Jr., and G. H. Theilen.
- Examination of the Horse for Lameness, J. D. Wheat and E. A. Rhode.
- Useful Procedures for Large Animal Practitioners, J. P. Hughes, A. C. Asbury and others.
- Handling Pet Birds, R. W. Wichmann.
- Deep Caution of the Canine Stifle, Alida P. Wind.
- Myelography in the Dog, G. D. Pettit.
- Application of the Thomas Splint, B. A. Hoehner.
- Useful Procedures for the Small Animal Practitioner, C. N. Bramer, E. W. Paul, W. K. Riddell and I. M. Roberts.

Large Animal Practitioners' Luncheon

Sunday, January 26, 12:30 p.m.
Hotel El Rancho

"How Can the Veterinary Profession Better Serve the Livestock Industry?"

Panel: Charles V. Misuraca, Western Dairy-
men's Assn.; Al Fountain, Hay, Grain
and Feed Dealers' Assn.; and other
representatives of livestock industry.

Panel Moderator: NELSON R. CROW
Publisher, Western Livestock Journal

Hotel Reservations

Hotel El Rancho, West Sacramento, is official headquarters for living accommodations. For reservations there, or at nearby motels, please write direct, giving time of arrival and departure.

Laboratory Notes

From the Department of Clinical Pathology, School of Veterinary Medicine, University of California.

Urinalysis — The Proteinurias

The major mechanisms responsible for true proteinuria of renal origin are: (1) an altered glomerular permeability with the leakage of large quantities of protein into the filtrate; and (2) tubular changes which may introduce inflammatory exudates into the filtrate or allow the naturally occurring albumin, which is present in all glomerular filtrates, to escape tubular absorption. Electrophoretic studies of urinary proteins indicate that the major fraction of protein in renal disease is plasma albumin with proportionately smaller increases in the globulin fraction.

Accidental or false proteinuria results from the presence of inflammatory exudates or blood contaminating the urine in conditions involving the lower urinary tract such as pyelitis, cystitis, vaginitis, prostatitis, tumors, etc. In voided urine samples, the first urine should be discarded since pus cells and mucous may be present in the urethra, vagina or prepuce.

Alteration in glomerular permeability may be transient or permanent, infectious or non-infectious. Proteinurias resulting from primary acute and subacute glomerulo-nephritis are rare in domestic animals, occurring mainly from bacterial infections of a metastatic origin. Chronic glomerulo-nephritis, however, is observed in the canine secondary to a progressive chronic interstitial nephritis. Proteinuria in these cases is not of a great magnitude as in human glomerulo-nephritis and rarely results in clinical edema. Proteinuria is, however, of a serious nature in the rare glomerulosclerosis which results from the continuous hypercholesterolemia of canine diabetes mellitus and hypothyroidism. The rare glomerulo-amyloidosis complicating many chronic debilitating syndromes is another instance in which proteinuria may be of a great magnitude. The absence of proteinuria need not exclude glomerulosclerosis in diabetes, nor should the presence of protein in the urine conclusively indicate its occurrence. After preliminary insulin therapy, concentrated urine may be tested for the presence of protein without the complicating diuresis of glycosuria. Marked proteinuria, however, should be viewed with great concern and may call for a poor prognosis in diabetes mellitus.

Other well-known causes of glomerular alteration are the circulatory changes found in hypertension, excessive exercise in racing dogs, and the convulsions of distemper; local or generalized asphyxia from advanced pneumonia and heart disease; acute acidosis; and damage from circulating abnormal metabolites produced by many infectious diseases.

Acute interstitial nephritis as encountered in canine *Leptospira canicola* infections commonly produces marked proteinuria. Tubular insufficiency as regards protein reabsorption from the glomerular filtrate, in addition to in-

flammatory exudation into the filtrate, most likely accounts for this urinary protein loss. In the fibrotic kidneys of compensated chronic interstitial nephritis, the 1 and 2+ proteinurias encountered may be attributable only to the lack of protein reabsorption without any tubular exudation or secondary glomerular changes. In advanced cases, interference with glomerular hemodynamics and permeability may be an important factor. In experimental animals, using a variety of histochemical, enzymatic and immunologic techniques, it has been demonstrated that proteins passing the glomerular filter were in part absorbed by the proximal convoluted tubule cells with no alteration of the cytological pattern. If the capacity of the tubules to absorb protein by the usual process was exceeded, an accessory mechanism of droplet formation was apparent.

Proteinuria from nephrotic degeneration of the tubules by such agents as mercury, turpentine, arsenic, lead, ether and sulfonamides are well known. The presence of Bence-Jones protein in cases of multiple myeloma can be detected by heating the urine to 60°C. and observing a flocculent precipitate which partly disappears if acidified and heated to 100°C.

Protein detection in urinalysis: The urine should be filtered or centrifuged prior to testing to remove cellular material containing proteins. A positive test for albumin would entail its characterization electrophoretically or by its physical properties of: positive for heat coagulability; soluble in salt-free water (after dialysis); and precipitation in a solution over 50 per cent saturation with ammonium sulfate. Globulins will respond positively to all the same rapid tests described below similarly as albumin, except that globulins may be precipitated selectively from albumin in a 50 per cent saturated solution of ammonium sulfate.

The following rapid tests for proteinuria are available to the veterinary practitioner:

1. Robert's ring test: Stratify urine slowly by means of a pipette over 5 ml. of Robert's reagent (1 vol. conc. HNO_3 to 5 vol. sat. MgSO_4). A white zone between the two layers is positive for protein in the urine and can be interpreted as from a 1-4 plus reaction.
2. Acetic acid test: Place 5 ml. of urine in a test tube and boil thoroughly. Next, add 2-3 drops of 50 per cent glacial acetic acid. If protein is present, the urine will become cloudy.
3. Reagent paper strips: These commercial paper strips in the presence of urine protein change to a green or blue-green color. A color scale is available for rapid comparison. This test is sensitive to the lower protein levels found in urine (30 mgm. per 100 ml.). A tablet is also available for rapid determinations.

C. E. CORNELIUS

Women's Auxiliary News

Mrs. Robert J. Harris, Turlock, who was our delegate to the National Convention held in Cleveland in August, reported on the Women's activities as follows:

On Monday, August 21, a very lovely tea was held at the Carter Hotel.

The luncheon and style show was held on Wednesday, August 23, again at the Carter Hotel. The theme of the style show was "A Holiday Around the World." The Higbee Company showed the fashions in cooperation with Holiday Magazine. The table decorations and favors were particularly clever. Each table had a doll representing a foreign country, and the favors were small items native to these countries—mine a Scotch tam. The favors were made by the student auxiliaries. The Convention as a whole was very enjoyable even to the weather which was very nice; even a little on the cool side. This is very unusual as Cleveland in August can be very hot and humid.

* * *

The "Silver Collar" luncheon and fashion show presented by the Women's Auxiliary on October 3, at Ciro's, proved to be an overwhelming success in all respects.

There were 420 guests attending, and with the addition of the raffle money, the goal set by the Auxiliary was surpassed. In addition to the Guide Dogs for the Blind project, all obligations incurred can be met.

* * *

The exciting fashions, from "at home" costumes to resplendent ball gowns, were presented by Alvina Tomin and her lovely models. The show was beautifully narrated by Pat Taylor.

Dr. H. E. Burroughs won the portable Television set, a gift from Kal Kan Foods, Inc., and Sharpe & Vejar. Mrs. O. A. Warner won the three-day stay for two at the Desert Inn in Las Vegas.

Other gifts were donated by the Glendale-La Crescenta Chapter of the SCVMA, Dr. and Mrs. Reginald Stocking, Dr. and Mrs. John Crump, Western Airlines, Helena Rubinstein, Alvina Tomin, and Mr. Jack Webb from Mark VII, Inc., presented a gift of money to the Auxiliary. Much credit should be given to Avonne Azlein, ticket chairman; Elaine Putney and Pat Taylor for the clever table decorations; Bonnie McDole for the wonderful luncheon; Charlotte Olson, publicity, and Pat Jobe as hostess.

* * *

The SCVMA had a booth at the L. A. County Fair, and it is estimated that 200,000 people visited the Association's exhibit from September 13 through September 29. For many of these people it was their first contact with this fine profession. The reaction of the public ranged from good to excellent.

We feel that this exhibit served as a terrific education media, and to many of the public who had had no previous experience with Veterinary Medicine, the exhibit impressed and surprised them with its modern equipment and the extent of treatment afforded.

The exhibit was visited by many members of the other healing arts, and from these people came much favorable comment.

The Women's Auxiliary was asked to assist in the booth, and what a job these girls did! They were given the job of selling the profession and they did just that. To you all, many thanks.

* * *

The Women's Auxiliary was fortunate in obtaining Mr. John Hebner and Miss Audrey Stewart as guest speakers at their September 18 meeting at the Disneyland Hotel. Mr. Hebner is a past president of International Toastmasters and an excellent speaker. Both Mr. Hebner and Miss Stewart are owners of San Rafael Guide Dogs and spoke on the subject of what these dogs mean to sightless persons.

* * *

The Ladies Luncheon at the January Meeting will be held at the El Mirador Hotel, Sacramento, California, January 28, 1958, at 12:30 P. M. This is a new down-town hotel just being completed there, and it should be exciting to the girls to have a different atmosphere.

It is urged that the members and guests register early on Monday if at all possible, so that the girls in charge will be able to give a number to the hotel as early as possible.

Mrs. William E. Steinmetz and Mrs. Robert Lewis are co-chairmen of the arrangements for this annual affair.

It has been suggested by the President that a get-together breakfast be planned for Monday morning preceding the Board Meeting. If arrangements can be worked out, details will be posted in the Lobby of the El Rancho Hotel, headquarters for the Convention.

The attendance at the Davis meeting has been growing steadily for the past few years, and it is hoped that the turnout of ladies will be even greater this year.

MRS. E. H. HOUCHIN,
Publicity Chairman

Pfizer Gave \$1 Million Last Year for Education, Research

Grants made by Chas. Pfizer & Co., Inc., and the Pfizer Foundation to educational and medical institutions for individual financial aid, fellowships and support of scientific research last year totaled approximately \$1,000,000.

Special Meeting of Executive Committee

President Fred B. Walker, Jr., called a meeting of the State Association Executive Committee in the Hartford Room of the Statler Hotel, Los Angeles, September 29.

Present were Drs. Walker, Ozanian, Braun, Houchin, Cope, Stowe, Scott and Secretary Travers.

Among the items of new business were (1) that the new Constitution and By-Laws take effect as of September 29; (2) that a proposed change in the By-Laws, Article 15, Section 1, submitted by Dr. H. G. Wixom, Chief, Bureau of Livestock Disease Control, Division of Animal Industry, be mailed to the membership, and (3) that the Certificate of Amendment and the Articles of Incorporation, and affidavit of verification of same, be forwarded to the Secretary of State's office in Sacramento.

Tax Benefits

One of the most important resolutions adopted at the AVMA Convention in Cleveland was the following:

H. R. 9 and H. R. 10

WHEREAS, there are now pending before the Congress H.R. 9 and 10, commonly referred to as the Jenkins-Keogh bills, which bills would grant to self-employed persons substantially the same tax benefits as are now available to employed persons participating in corporate pension plans; and

WHEREAS, common justice demands that self-employed citizens of the United States have available to themselves the same tax benefits as are provided for employed persons; therefore be it

RESOLVED, that the American Veterinary Medical Association in annual session urges the 85th Congress to enact the said proposal into law, and be it further

RESOLVED, that a copy of this resolution be sent to each Senator and Representative and to the Vice President of the United States.

You are urged to support this measure.

President Walker Calls Local Association Meeting

President Walker has called a meeting of local associations for 10 a. m., Monday, January 27, in Haring Hall, University of California, Davis. This is the opening day of the Midwinter Conference.

A representative from each of the locals has been asked to attend. Other interested members are also welcome.

The Editor . . . R

E. R. Squibb & Sons tell of Tri-Jex, an important new biological of highly immunizing value in the first three color advertisement ever carried in **THE CALIFORNIA VETERINARIAN**. Tri-Jex gives 3 in 1 protection against canine distemper, infectious canine hepatitis and important secondary bacteria usually associated with these virus diseases. You may obtain literature and prices by writing Squibb, Veterinary Dept., 745 Fifth Avenue, New York 22, N. Y. In the same advertisement other biologics of Squibb are described—Sin-Jex, Femulgen, Rabies Vaccine, Anti canine Distemper Serum and Canine Distemper Vaccine.

* * *

New Caminal S is featured in this issue by **Armour Veterinary Laboratories**. A vitamin-mineral tablet for dogs, Caminal S is not only easy to administer but appeals to finicky eaters. Sick and normal dogs eat their food with relish, and Caminal S corrects vitamin-mineral deficiency as well as serving as an excellent conditioning agent for skin and coat. With the canine high palatability factor they are supplied in bottles of 50 tablets. For complete technical data write: Manager, Professional Relations, Armour Veterinary Laboratories, Box 511, Kankakee, Ill.

* * *

Diamond Laboratories announce a complete line of small animal biologicals for complete protection. The Des Moines firm lists the following to assure you of the surest small animal protection: Rabies Vaccine, Leptospira Canicola, Infectious Canine Hepatitis Vaccine, Canine Distemper Vaccine, Infectious Canine Hepatitis Vaccine, and Feline Distemper Vaccine. All of these products are sold exclusively to veterinarians. This firm plans to advertise in **THE JOURNAL** throughout the year 1958.

* * *

The Upjohn Company says: "New Albaplex capsules plug the therapeutic loopholes when infection persists." Each capsule contains 60 mg. of Panmycin phosphate and 60 mg. of Albamycin, supplied in bottles of 16 and 100. Albaplex therapy is the logical approach to a variety of mixed infections of dogs and cats, including those troublesome infections in which micrococci are present. You are invited to check the many advantages offered by Albaplex—wide-range coverage of gram-positive and gram-negative pathogens; rapid gastro-intestinal absorption with exceptionally high and persistent blood levels; maximum therapeutic effectiveness at minimum cost.

* * *

Wyeth Laboratories use two pages in this issue to describe Equanil and Sparine, both of which are supplied only to the professions. Equanil relieves small-animal tension and anxiety, thus relieving also the unruliness, nervousness and viciousness which stem from them. Available in 200 and 400 mg.

Reviews Ads

tablets, bottles of 50. Sparine's greatest advantage is its ability to calm animals—large or small—without stupefaction which obscures symptoms and hinders diagnosis. Sparine provides chemical restraint in place of physical force, thus eliminating the fear-inspiring mechanical restraints. Available: tablets, injections, syrup, concentrate.

* * *

Lang's Clinical Formulas (sold only through registered veterinarians), and Kal Kan are featured by the **Kal Kan Foods, Inc.** The palatable clinical diets are known as Formula A, E, O, G-I, and Cat. You are urged to write for professional samples, Kal Kan Foods Inc., Veterinary Division, 3363 East 45th Street, Los Angeles 58. Among the canned foods are Horesmeat with Gravy, Tuna, Jucy-Pak, M.P.S., and Thoro Fed Premium Gold Label Pet Foods. This firm also features Meal and Kibble, which contains all the necessary vitamins and minerals.

* * *

Daribiotic and Gallogen are two injectables advertised by the **S. E. Massengill Company**. The former effectively fights systemic infections, and has the following advantages: wide antibacterial spectrum, synergistic, rapid bactericidal blood levels, resistant organisms rarely developed, ready to use. Gallogen is a safe injectable laxative which acts promptly and directly on the hepatic cells to stimulate production of true whole bile. It has a secondary action stimulating emptying of gall bladder. Gallogen is safe to use in the recommended doses; no toxic effects have been noted.

* * *

For many years the firm of **Jansen-Salsbery Laboratories** has used the back cover, in color, to advertise their products. In this issue they feature Rabies Vaccine. "Jen-Sal Rabies Vaccine contains living, safety-proved Flury virus modified by egg passage. Virus loss in storage is inhibited by new lyophilization refinements plus a Jan-Sal stabilizing agent. Meticulous control and rigorous testing guarantee uniform vaccine of incomparable quality." A chart shows commercial vaccine comparison based on issue concentration, particle size and reconstruction. Jen-Sal's score reads, respectively, 13%, very fine and excellent.

* * *

The **Desitin Chemical Company** says: "Even in stubborn skin conditions Desitin ointment, rich in cod liver oil, speeds healing." Samples and literature may be obtained by writing them, 812 Branch Avenue, Providence, Rhode Island. Desitin Ointment soothes, protects, lubricates, eases pain, itch and irritation in wounds, burns, external ulcers, post-partum perineal tears, eczemas, sore cracked teats, tittis externa. The ointment adheres longer to the skin areas being treated, and does not liquefy or crumble at body temperature. Comes in jars of 1 pound; tubes of 1 oz., 2 oz., 4 oz.

CVMA Committees

Executive Committee

Chairman, Richard L. Stowe, 1719 7th Ave., San Francisco 22.
Fred B. Walker, Jr., Rt. 3, Box 619, Escondido.
Charles H. Ozanian, 10326 E. Artesia, Bellflower.
Russell P. Cope, 1205 San Pablo Ave., Berkeley 6.
E. R. Braun, P. O. Box 21, Hanford.
Ernest H. Houchin, 40 West Santa Clara St., Ventura.
A. Mack Scott, 3350 Atlantic Ave., Long Beach 7.

Program Committee

Chairman, Charles H. Ozanian, 10326 E. Artesia, Bellflower.
Co-Chairman, January Meeting, Peter C. Kennedy, 3 Parkside Dr., Davis.
Co-Chairman, June Meeting, E. R. Braun, P. O. Box 21, Hanford.
Rollin R. Smith, 1855 Torrance Blvd., Torrance.
Fred B. Pulling, Jr., Box 608, Atascadero.
Robert E. Richter, 1645 Almaden Rd., San Jose.
Frederick P. Sattler, 2005 W. Commonwealth Ave., Fullerton.

Legislative Committee

Chairman, Ralph L. Collinson, 1550 McHenry Ave., Modesto.
Robert A. Dove, Box 880, Porterville.
John E. Craigie, 1000 Scholar, Seaside.
Roger V. Jessup, 910 Crestview Ave., Glendale 2.
Robert N. Erickson, Rt. 3, Box 22, Chico.
Robert W. Ormsbee, 2076 E. Fremont, Stockton.

Ways and Means Committee

Chairman, Philip C. Olson, 7970 Santa Monica Blvd., Los Angeles 46.
L. M. Proctor, 24 Meadow Lane, Concord.
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Reginald A. Stocking, 3166 Los Feliz Blvd., Los Angeles 26.
Jay C. Wallis, 112 No. Girard, Hemet.
Charles S. Travers, Executive Secretary, CVMA, Secretary of Committee.

Warning on Psittacine Birds Consigned to Colorado

Dr. J. E. Stuart, Chief, Division of Animal Industry, Dept. of Agriculture, State of California, has advised that California veterinarians have been issuing health certificates for psittacine birds consigned to Colorado points contrary to Colorado's statutes pertaining to distribution and sale of such birds.

California veterinarians are advised to communicate with Dr. Martin D. Baum, Chief, Public Health Veterinary Section, Colorado Dept. of Public Health, State Office Building, Denver 2.

New Chief of the USAF Veterinary Corps

Colonel Robert R. Miller, USAF (VC), has been appointed Assistant for Veterinary Services, it was announced by Major General Dan C. Ogle, USAF Surgeon General.

Colonel Miller was born in Boston, Massachusetts, in 1910. He attended grade and high school in Somerville, Massachusetts, and graduated from Ohio State University College of Veterinary Medicine in 1942.

Colonel Miller entered on active duty in 1943 and after his training at Brooklyn Army Base and Fort McPherson, Georgia, he was assigned to the United States Armed Forces, South Atlantic, as Theater Veterinarian with headquarters at Recife, Brazil. Later he was attached to the Joint United States-Brazilian Military Commission at Rio de Janeiro, Brazil.

On his return from Brazil in 1945, Colonel Miller served with the Military District of Washington, and in 1946 was assigned as the North Sector Veterinarian for Oahu, Territory of Hawaii.

In 1949 he became Deputy Chief of the Veterinary Service in the Office of the Surgeon General, Headquarters USAF, and two years later was appointed to the Armed Forces Medical Policy Council in the Office of the Secretary of Defense.

California Veterinary Alumni

The California Veterinary Alumni Dinner will be held Monday, January 27, at 7 p. m., in the Gold Room of the Capital Inn Motel, West Sacramento.

The annual meeting of the California Veterinary Alumni Chapter will be held in the Veterinary Science Auditorium, School of Veterinary Medicine, Davis, Tuesday, January 28, at 5 p. m.

Dr. Russell E. Rebrassier President-Elect, AVMA

Dr. Russell E. Rebrassier, a long-time faculty member of the College of Veterinary Medicine, Ohio State University, was chosen President-Elect of the American Veterinary Medical Association at the recent Cleveland meeting.

After a year spent with a commercial antitoxin laboratory, Dr. Rebrassier became instructor and professor of veterinary parasitology, College of Veterinary Medicine, Ohio State University, in 1916, and was appointed chairman of the department in 1939. In 1955 he became assistant dean of the College of Veterinary Medicine. He has written many articles on veterinary parasitology.

He became a member of the AVMA Council on Education in 1951 and has served as secretary of the Council since that time.

Secretary of the Ohio VMA from 1929 until 1946, he was elected president in 1949.

Eaton Opens New Animal Research Lab

A stepped-up screen program to find new nitrofurans effective against viral, bacterial and fungal infections in animals and poultry is now under way at the new animal research station just opened by Eaton Laboratories, Norwich, N. Y. Eaton is the sole producer of nitrofurantoin products—Furacin, Furoxone, Entefur, Furea, Furadantin and Furaspor—used extensively in veterinary medicine.

The new station, modeled after Dr. James A. Baker's virus research laboratory at Cornell University, enables Eaton investigators to concentrate their animal research in one specially designed laboratory where clinical tests can be performed "with the same isolation facilities and aseptic techniques that are used in human clinical research," according to Dr. Kenyon J. Hayes, Eaton research director.

NOMINATION AND ELECTION OF OFFICERS

Please consult the new By-Laws, Article XIV, appearing on page 37 of the May-June issue of the Journal for procedure in nominations of elective officers of the Association, and method of voting. Also Article XVII, Section 1, on page 38 of same issue, for procedure in altering amendments.

As you know, there is a new method of electing executive officers. Under this method local associations should remember to select men who are capable and willing to put forth the time and effort to build an association along conservative lines—to carry the influence of veterinarians into every corner of these United States.

LOCAL ASSOCIATION NEWS

Alameda-Contra Costa VMA

A Hospital Management panel was held at the October 23rd meeting of the Alameda-Contra Costa VMA, at the Robin Hood Inn, Oakland. Dr. Seymour R. Roberts was moderator and a panel of veterinarians who operate small animal hospitals discussed problems on hospital management.

Dr. Floyd Ziegler discussed the treatment of dogs suffering from complete posterior paralysis.

The following were nominated as officers for the coming year: Dr. Leo S. Goldston, president; Dr. George Muller, vice-president; Dr. Thomas B. Condon, secretary, and Dr. John S. Blackard, treasurer.

* * *

Bay Counties VMA

A gala "Ladies' Nite" brought out 80 persons on Saturday evening, October 26. The scene for the Bay Counties annual get-together was the Sunset Room of the world-famous Cliff House, San Francisco.

The event was ably handled by Dr. Ernest A. Siegel, chairman, assisted by Drs. John S. Blackard, Albert J. Gutknecht, L. O. Johnson and C. J. Peetz, in cooperation with the Alameda-Contra Costa Women's Auxiliary.

Dr. Edward C. Bland provided excellent entertainment, which included after-dinner free bingo.

* * *

Santa Barbara & Ventura VMA

Dr. G. S. Jackson, president of the Santa Barbara & Ventura VMA, has appointed the following to the Legislative Committee of that local: Drs. E. H. Houchin, W. P. Humphrey, T. F. Taylor, R. T. Williams and G. S. Jackson.

* * *

SCVMA Exhibits at Los Angeles Co. Fair

A replica of a small animal hospital, depicting modern veterinary medicine, was sponsored by the 325 members of the Southern California Veterinary Medical Association at the recent Los Angeles County Fair.

The more than 200,000 people who visited this exhibit were overwhelmingly impressed with the modern techniques employed by the veterinarian today.

OUT-OF-STATE NEWS

The Arizona VMA held its annual meeting at the Hiway House Hotel in Phoenix, December 1-3. A complimentary dinner was served on the opening evening, and a banquet was held in the evening of Dec. 2nd.

In Memoriam

DR. KENNETH DEVINE

Dr. Kenneth Devine passed away on September 29 at the age of 40. He operated a small animal hospital in San Jose and resided in Cupertino.

Dr. Devine graduated from Washington State College in 1942, and was an outstanding athlete during his college days, having played center on the Washington State football team. During World War II he served in Burma as an Army officer. He was a member of the State Association since 1948.

* * *

DR. HOWARD D. HILTON

Dr. Howard Hilton, who retired from practice in 1951, died in Mill Valley, October 13. He was 59. Dr. Hilton operated the Mill Valley Pet Hospital from 1943 until his retirement.

His survivors include the widow, Mrs. Alma L. Hilton; a son, Howard, Jr., and a daughter, Mrs. Ellen Gattani of Seattle.

* * *

DR. D. McARDLE

News of the passing of Dr. D. McArdle, in July, has only recently been learned. Dr. McArdle was a Life Member of the State Association, and resided in Sonoma.

New Animal Health Line



Merck & Co., Inc., has launched its first animal health line for over-the-counter sales. The products, S.Q., VetStrep and DuoStrep, pictured above, combat many of the economically important diseases incurred by poultry and livestock. Other animal health products will be added to the line, Merck announced.

Applicants

Duane Morgan, Santa Barbara. Vouchers: F. W. Knoop, R. A. Frier.

Jack C. Boer, Sacramento. Vouchers: B. B. White, Ralph J. A. Holte.

Dan E. Suther, Eureka. Vouchers: Mitchell Lunstra, Douglas W. Butchart.

Stanton M. Child, Panorama City. Vouchers: A. W. Clark, C. H. Ozanian.

Harvey C. Gissell, Los Angeles. Vouchers: Albert Goodman, Lyle Price.

Charles A. Lamb, Eureka. Vouchers: Melvin P. Roberts, E. R. Holland.

William S. Sherwood, Eureka. Vouchers: Melvin P. Roberts, E. R. Holland.

Ralph L. Reese, Calabasas. Vouchers: Noel F. Bevins, C. H. Ozanian.

Lawrence D. Meyer, Cypress. Vouchers: Raymond G. Smith, Mark B. Lindsey.

Kenneth L. Behrends, North Hollywood. Vouchers: J. Bradley Crundwell, John H. Hensley.

S. Glen Miller, Walnut Creek. Vouchers: T. W. Ohlson, J. H. Lorber.

Larry A. Jackson, Hanford. Vouchers: E. R. Braun, H. M. Atkinson.

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* * *

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* * *

Dr. T. G. Poelma has diploma from Utrecht, Holland, 1953. Seeks work as assistant or kennelman. No California license. Address: 240 88th Street, Colma.

* * *

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2. Malpractice Liability.

A. Professional services rendered, mistake, error, etc.

3. Animals in Care, Custody and Control of Doctor and Employees.

A. Loss, theft, escape, self injury, burglary, robbery, etc.

4. Products Liability.

A. Goods or products, sold, handled, or distributed by insured.

5. Contracted Liability.

A. Lease agreement, etc.

B. Loss to dog by fire, maximum \$1,000 per dog, \$25,000 aggregate.*

6. Auto Non-Ownership Liability.

A. Protects insured if employees use own car for business purposes.
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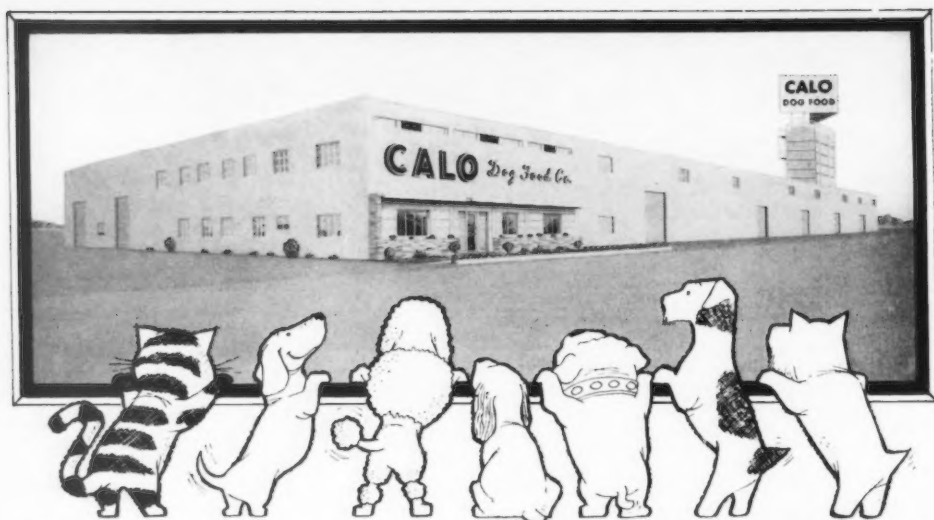
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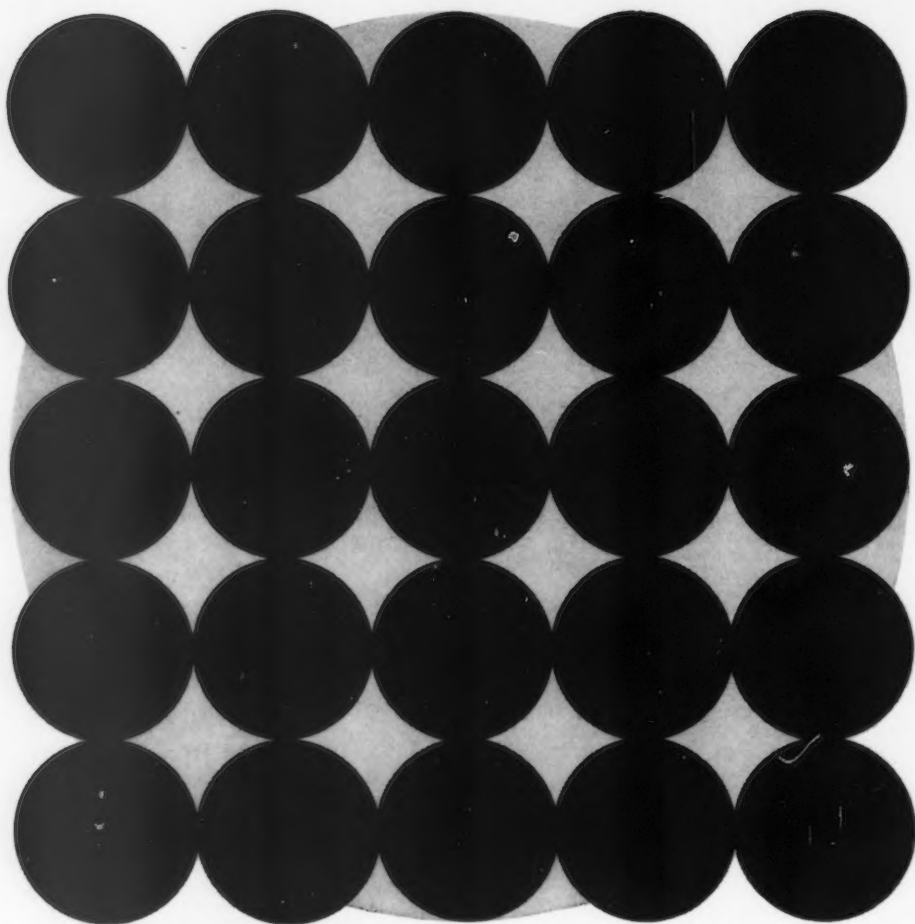
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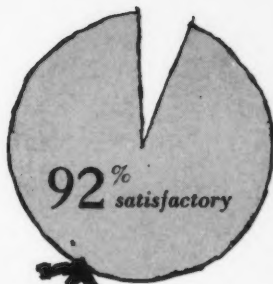


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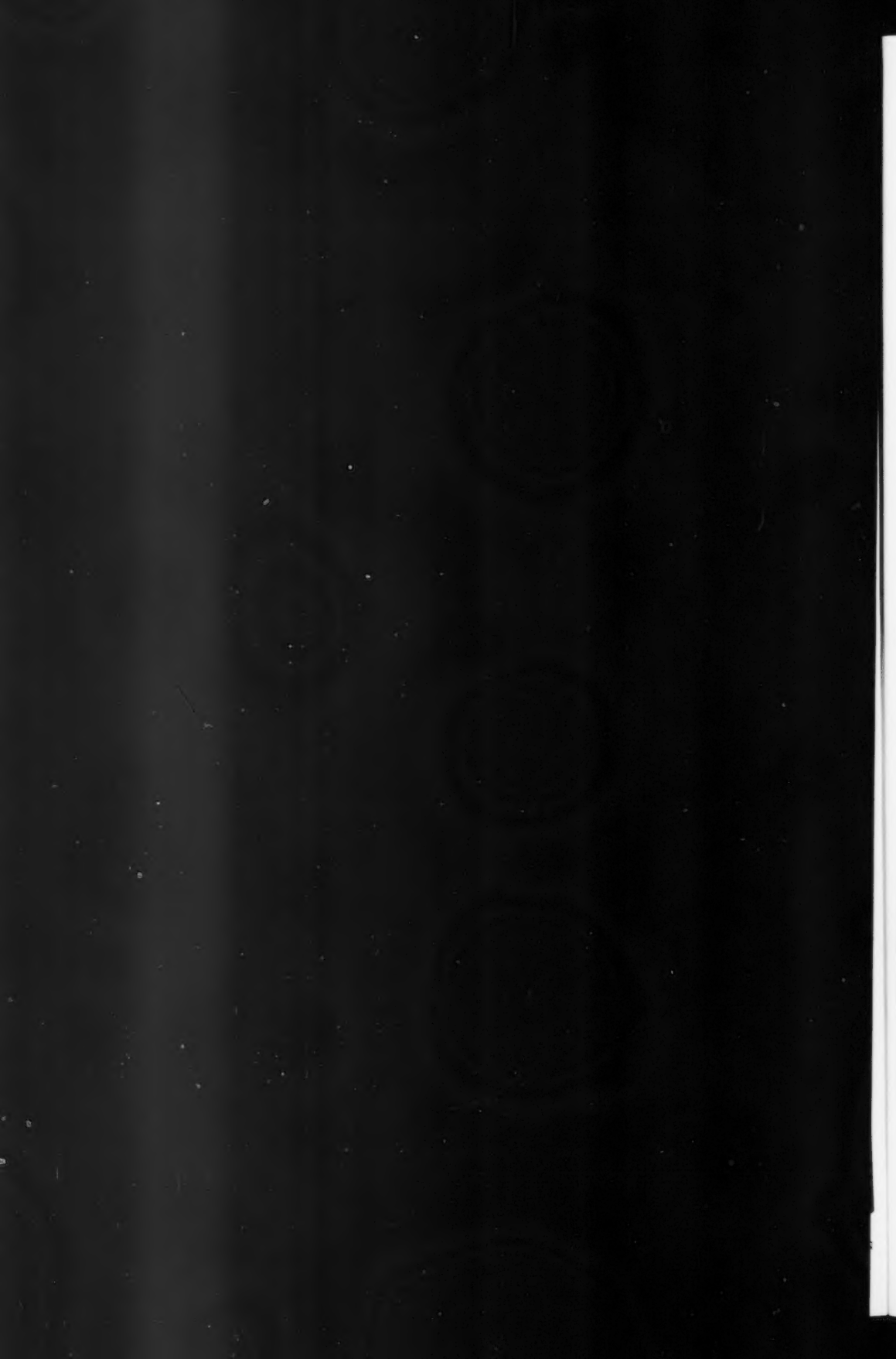
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distemper*

*the
way
it was*

"While discussing canine distemper permit me to say that nothing new is being done in the way of treatment. We still believe that good nursing, warm, dry housing, and symptomatic treatment constitute rational therapy. For those mixed infected cases where the patient is having considerable difficulty in breathing, we often resort to medicated steaming or medicated drops . . . [which are] soothing to the membranes and promote clearing of the passages." Bower, C. W.: Cornell Vet. 26:87 (April) 1936.

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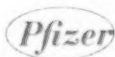
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Vetter, R. F.: California Vet. 5:15 (Jan.-Feb.) 1952.

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HOW WELL DO YOU KNOW THE ENTIRE FAMILY OF BIOLOGICALS

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SQUIBB offers the veterinary profession five easy-to-administer biologicals in addition to TRI-JEX. Each is described briefly below. Note particularly that Sin-jex and Femulgen are "one-shot" vaccines, making possible the inoculation of difficult patients safely and effectively with a single handling.

All biologicals distributed by Squibb are of unsurpassed quality, tested and retested to safeguard purity and potency. Use them with confidence. There are no finer biologicals available anywhere today.

BIOLOGICALS distributed by SQUIBB ARE SOLD TO VETERINARIANS ONLY, and are available from your FAVORITE VETERINARY WHOLESALER or from your NEAREST SQUIBB BRANCH.

SIN-JEX

...good immunity against canine distemper and infectious hepatitis at the same time with a single injection. Sin-jex is the first successful combination of a vacuum dried, modified live virus distemper fraction (chick embryo origin) with a killed virus hepatitis fraction as diluent. Sin-jex is instantly reconstituted into a fine homogeneous suspension which passes easily through a 22 gauge needle, and produces immunity in less than 2 weeks. Supplied in 6 x 3 cc.—1 dose vials.

FEMULGEN

...single-injection vaccine for immunization against feline distemper (feline infectious enteritis, malignant panleucopenia, infectious feline agranulocytosis, etc.) Femulgen is a homologous vaccine, prepared from the tissues of young susceptible cats inoculated with virulent feline distemper virus. This virus is extracted, inactivated with formalin and suspended in an oil emulsion. Supplied in 5 x 1 cc.—1 dose vials, with disposable syringe.

RABIES VACCINE

...both phenolized and chick embryo origin, for positive immunization against rabies for a period of one year. Supplied in 5 x 3 cc.—1 and 10-dose vials for live virus, chick embryo origin, 30 cc. vials for phenolized suspension.

ANTI CANINE DISTEMPER SERUM and ANTI INFECTIOUS HEPATITIS SERUM

...immediate passive immunity against canine distemper and infectious hepatitis. Supplied in 100 cc. vials.

CANINE DISTEMPER VACCINE

...modified live virus, chick embryo origin, for immunization against distemper in dogs. Supplied in 6 x 2 cc.—single-dose vials.





New QUIVET* Meprobamate controls objectionable behavior in dogs and cats

New Cyanamid QUIVET Meprobamate is useful to the veterinarian in his practice, and for dispensing to his clients, for the control of objectionable behavior in dogs and cats.

The drug has a selective action on the thalamus. It results in reduced muscle tension in nervous patients by blocking conductivity in long interneuronal circuits. Its tranquilizing effects are long acting.

QUIVET is packaged in 100 and 500 tablet (200 mg. scored) vials. VETERINARY PROFESSIONAL SERVICE DEPARTMENT, AMERICAN CYANAMID COMPANY, N.Y. 20, N.Y.

*Trademark



CYANAMID

Professional care

In the home

At shows and trials

In kennels
and traveling



d
distemper



RL products are sold only to
graduate veterinarians.

h
hepatitis

sin-jex



Sin-jex is the first vaccine to utilize a vacuum-dried modified live virus distemper fraction with hepatitis killed virus as diluent. Sin-jex stimulates an early, lasting response; and assures protection against the two most common canine diseases... with one single injection.

r
Research Laboratories, Inc.

Saint Joseph,
Missouri

it takes all three to make *a superior* **RABIES VACCINE**

product ▼	COMMERCIAL VACCINE COMPARISON		
	1	2	3
	tissue concentration	particle size	reconstitution
A ▶	9%	large	very poor
B ▶	10%	medium	very poor
C ▶	7%	fine	fair
D ▶	13%	medium	very poor
Jen-Sal ▶	13%	very fine	excellent

maximum tissue concentration for dependable immunity High tissue content of Jen-Sal Rabies Vaccine provides high vaccine virus titres for maximum immune response. In critical tests, dogs vaccinated with a standard 3 cc. dose of Jen-Sal vaccine consistently withstood virulent street virus challenge.

homogenized tissue for rapid reconstitution

Jen-Sal Rabies vaccine reconstitutes in seconds. Tissue particles, minute enough to permit passage through a 24 gauge needle, assure a vaccine which

is both effective and easy to administer. No evidence of undue pain or local irritation is noted on routine administration.

newest production refinements give you superior product

Jen-Sal Rabies Vaccine contains living, safety-proved Flury virus modified by egg passage. Virus loss in storage is inhibited by new lyophilization refinements plus a Jen-Sal stabilizing agent. Meticulous control and rigorous testing guarantee a uniform vaccine of incomparable quality. Supplied in 10 dose bulk vial and 5-1 dose package.

JENSEN-SALSBERY LABORATORIES, INC.
KANSAS CITY, MISSOURI



